Reply to Office Action of April 9, 2007

Docket No.: 0505-1271P Art Unit: 3616

Page 2 of 11

**CLAIM SET AS AMENDED** 

1. (Original) A structure for installing a rear cushion in a rear suspension,

comprising:

a rear swing arm, a front end of which is supported so as to be freely rock-able on a

vehicle body side through a pivot shaft, and a rear wheel of which is supported at a rear end;

a cushion bracket provided on a upper portion of said rear swing arm on a front end

side;

a link for coupling a lower front end portion of said rear swing arm to the vehicle

body side; and

an upper portion of said rear cushion supported by said cushion bracket, and a lower

portion of said rear cushion supported by said link,

wherein said cushion bracket extends forwardly of and rearwardly of the upper

portion of said rear cushion, both a forward end portion and a rearward end portion of the

cushion bracket are coupled to said rear swing arm, and wherein the upper portion of said

rear cushion is supported by an intermediate portion of the cushion bracket in a back-and-

forth direction.

2. (Original) The structure for installing a rear cushion according to claim 1,

the rear swing arm including a pair of left and right arm portions,

the cushion bracket including a pair of left and right cushion brackets,

front end portions of the left and the right cushion brackets being coupled to a first

cross member,

rear end portions of the left and the right cushion brackets being coupled to a second

cross member,

Reply to Office Action of April 9, 2007

Docket No.: 0505-1271P Art Unit: 3616

Page 3 of 11

the first and the second cross members being provided at an interval in the back-and-

forth direction between upper portions of said left and right arm portions on the front end

sides.

3. (Currently Amended) The structure for installing a rear cushion according to

claim 1,

the rear swing arm being a cantilever swing arm including a pair of left and right

arm portions,

the cushion bracket including a pair of left and right cushion brackets,

front end portions of the left and the right cushion brackets being coupled to a first

cross member which is laid over the left and right arm members portions.

4. (Original) The structure for installing a rear cushion according to claim 2,

wherein the upper portion of said rear cushion is supported between said left and right

cushion brackets, the rear cushion having a subsidiary cylinder arranged in space enclosed by

said left and right cushion brackets on lateral sides thereof, and enclosed by said first and

second cross members forward and rearward thereof.

5. (Original) The structure for installing a rear cushion according to claim 1, wherein

the link includes a triangular shaped link member and a linear link arm.

6. (Original) The structure for installing a rear cushion according to claim 5, wherein

the linear link arm includes left and right link arms connected to the left and right sides of the

triangular shaped link member.

Reply to Office Action of April 9, 2007

Docket No.: 0505-1271P Art Unit: 3616

Page 4 of 11

7. (Withdrawn-Currently Amended) A hydraulic The structure for installing a rear

cushion according to claim 1, further comprising

a hydraulic shock absorber in a rear the rear cushion, comprising:

wherein the hydraulic shock absorber includes:

a cylinder for generating a damping force by sliding of a built-in piston,

a subsidiary cylinder having a gas chamber disposed non-coaxially to said

cylinder; and

a crooked oil path connecting said subsidiary cylinder and said cylinder,

wherein a diameter of said oil path is larger than a distance between a tip

portion of an inner wall of said cylinder and said piston when said piston reaches a

maximum compression stroke.

8. (Withdrawn) The hydraulic shock absorber in a rear cushion according to claim 7,

wherein the diameter of said oil path is substantially equal to an inner diameter of said

cylinder.

9. (Withdrawn) The hydraulic shock absorber in a rear cushion according to claim 7,

wherein said oil path is provided with a bulkhead for partitioning the gas chamber off, the

bulkhead being provided with drawing means.

10. (Withdrawn) The hydraulic shock absorber according in a rear cushion to claim 7,

wherein an axis of said cylinder and an axis of said subsidiary cylinder are parallel to each

other.

Reply to Office Action of April 9, 2007

Docket No.: 0505-1271P

Art Unit: 3616

Page 5 of 11

11. (Original) A structure for installing a rear cushion in a rear suspension,

comprising:

a rear swing arm, a front end of which is supported so as be freely rock-able on a

vehicle body side through a pivot shaft, and a rear wheel of which is supported at a rear end;

a cushion bracket provided on a upper portion of said rear swing arm on a front end

side;

a link for coupling a lower front end portion of said rear swing arm to the vehicle

body side; and

an upper portion of said rear cushion supported by said cushion bracket, and a lower

portion of said rear cushion supported by said link, and

when the structure is observed from a side, said cushion bracket extends forwardly of

and rearwardly of the upper portion of said rear cushion, both a forward end portion and a

rearward end portion of the cushion bracket are coupled to said rear swing arm, and the

upper portion of said rear cushion is supported by an intermediate portion of the cushion

bracket in a back-and-forth direction,

wherein the rear cushion includes a cushion spring.

12. (Original) The structure for installing a rear cushion according to claim 11,

the rear swing arm including a pair of left and right arm portions,

the cushion bracket including a pair of left and right cushion brackets,

front end portions of the left and the right cushion brackets being coupled to a first

cross member,

Reply to Office Action of April 9, 2007

Docket No.: 0505-1271P

Art Unit: 3616
Page 6 of 11

rear end portions of the left and the right cushion brackets being coupled to a second

cross member,

the first and the second cross members being provided at an interval in the back-and-

forth direction between upper portions of said left and right arm portions on the front end

sides.

13. (Original) The structure for installing a rear cushion according to claim 12,

wherein the upper portion of said rear cushion is supported between said left and right

cushion brackets, the rear cushion having a subsidiary cylinder arranged in space enclosed by

said left and right cushion brackets on lateral sides thereof, and enclosed by said first and

second cross members forward and rearward thereof.

14. (Original) The structure for installing a rear cushion according to claim 11.

wherein the link includes a triangular shaped link member and a linear link arm.

15. (Original) The structure for installing a rear cushion according to claim 14,

wherein the linear link arm includes left and right link arms connected to the left and right

sides of the triangular shaped link member.

16. (Original) The structure for installing a rear cushion according to claim 13,

wherein the subsidiary cylinder includes a gas chamber.

17. (Original) The structure for installing a rear cushion according to claim 13,

wherein the subsidiary cylinder is arranged non-coaxially with the rear cushion.

Application No.: 10/776,525 Docket No.: 0505-1271P Amendment dated July 9, 2007

Reply to Office Action of April 9, 2007

Art Unit: 3616 Page 7 of 11

18. (New) The structure for installing a rear cushion according to claim 11, further

comprising:

a hydraulic shock absorber in the rear cushion,

wherein the hydraulic shock absorber includes:

a cylinder for generating a damping force by sliding of a built-in piston,

a subsidiary cylinder having a gas chamber disposed non-coaxially to said

cylinder; and

a crooked oil path connecting said subsidiary cylinder and said cylinder,

wherein a diameter of said oil path is larger than a distance between a tip

portion of an inner wall of said cylinder and said piston when said piston reaches a

maximum compression stroke.

19. (New) The hydraulic shock absorber in a rear cushion according to claim 18,

wherein the diameter of said oil path is substantially equal to an inner diameter of said

cylinder.

20. (New) The hydraulic shock absorber in a rear cushion according to claim 18,

wherein said oil path is provided with a bulkhead for partitioning the gas chamber off, the

bulkhead being provided with drawing means.